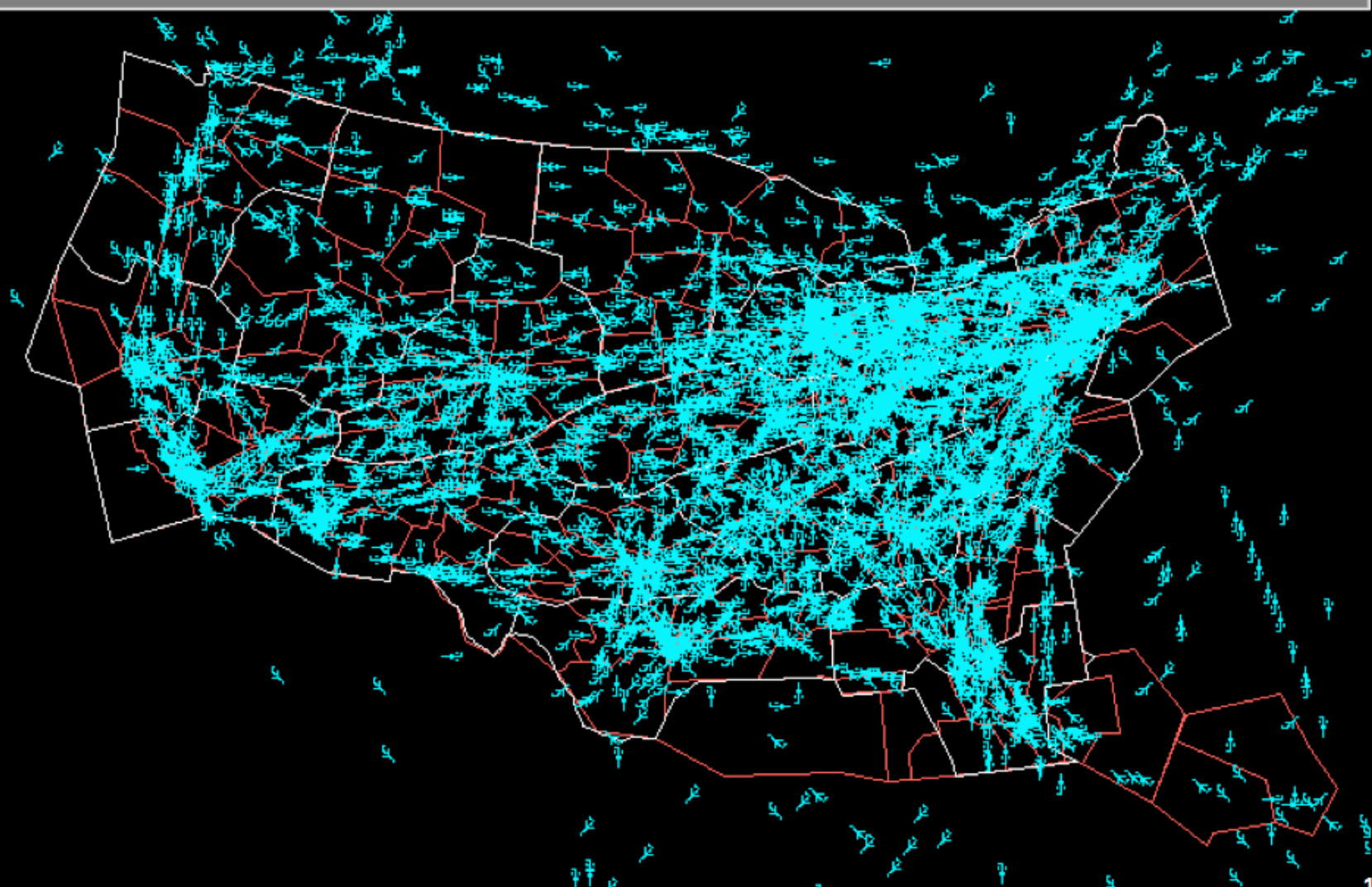


Status: Running File TRX_Mar18:TRX

Number Flying: 4152

UTC Time: 00:03:53



Aviation's Economic Impact

- \$436 billion in direct economic activity
- Provides \$60.6B positive trade balance
- 25% of all companies' sales depend on air transportation
- 655,500 jobs
- 650 million travelers a year
- 51,000 flights a day



NASA's Contributions



Chevron Nozzles



Lower Noise

**Current
Noise
Rule**

**Current
Best Aircraft**



2015 Goal



2025 Goal

**Airport
Boundary**



**Ultimate goal:
Aircraft noise is
completely
contained
within the airport
boundaries**

Winglets



Better Fuel Efficiency

2015

2020

2025

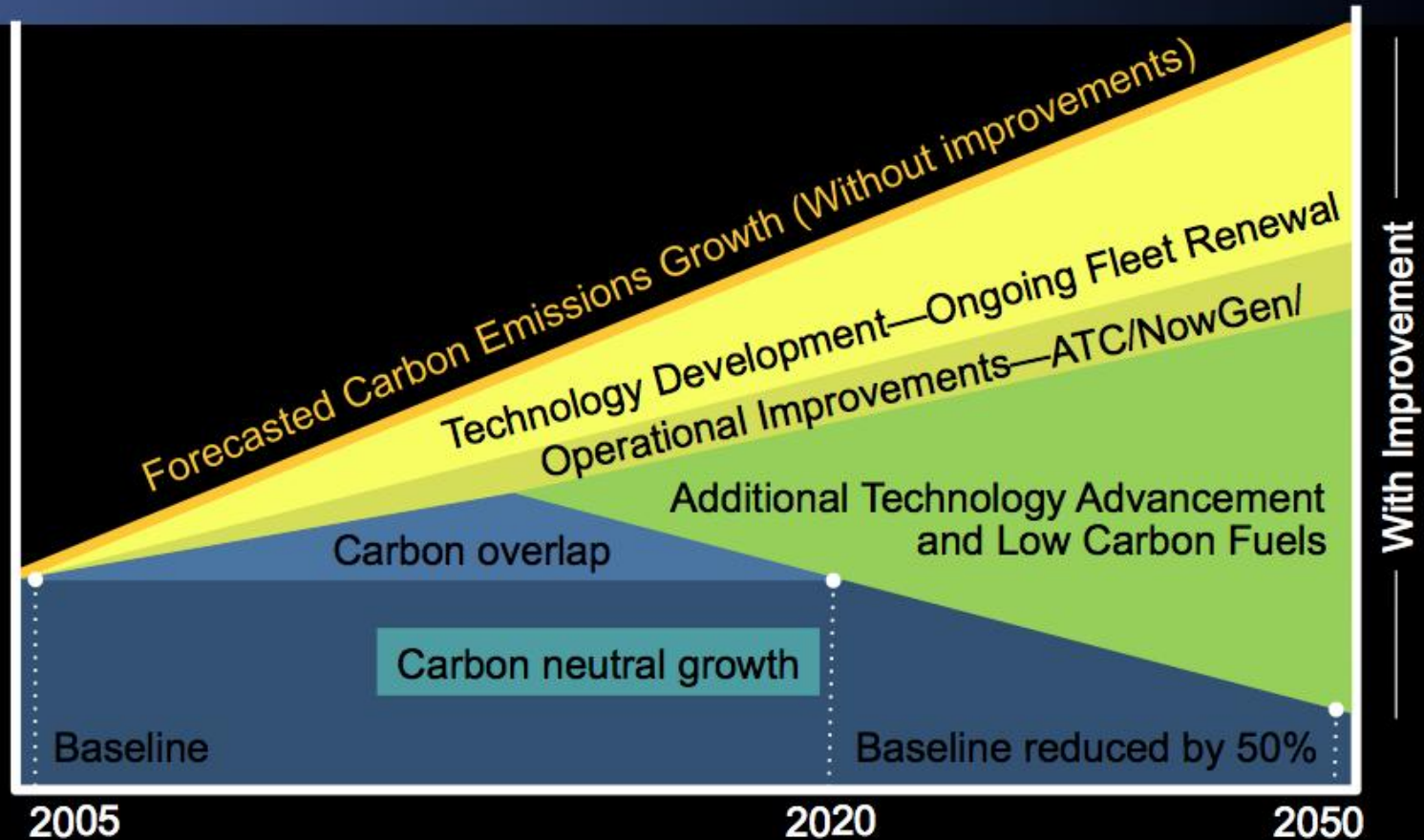
33%

50%

>50%

Improvement over today's most efficient aircraft

Fewer Emissions



Air Transportation System of the Future

